DRAWING SHEET 1 OF 3

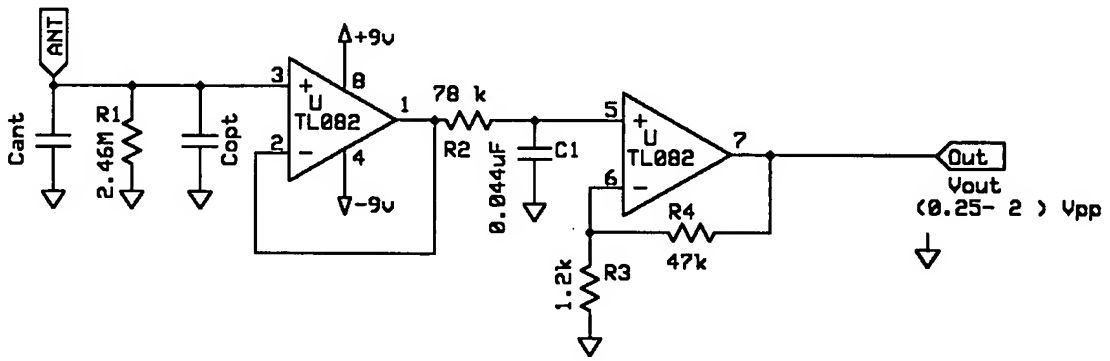


FIG1 - Schematic of Motional Command Sensor built on solderless breadboard. Observed 10% reduction in the characteristic background 60 Hz, A.C. signal, amplitude when hand approached sensor to distance of ½ inch. Sensitivity was observed at 18 inches away from antenna. A 2 Vpp output was observed when the user was grounded to metal lamp with large surface area over the sensor. Otherwise the output was 0.25 Vpp with the user grounded to the common.

DRAWING SHEET 2 OF 3

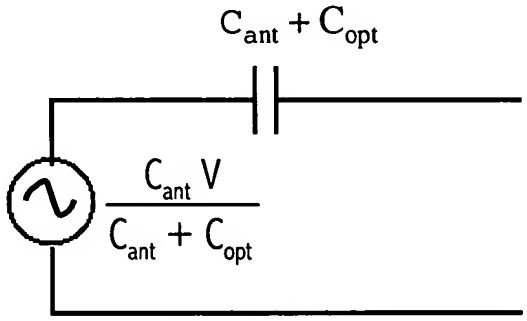
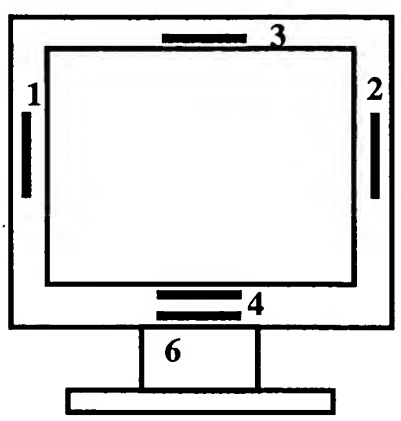
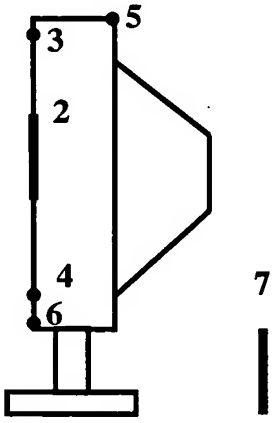


FIG2 - Thevenin equivalent voltage source of MCS sensor input. Shows the reduction in input voltage with increasing values of C_{opt}. Thus output of MCS sensor decreases with increasing C_{opt} that occurs as the motion command surface approaches the antenna.

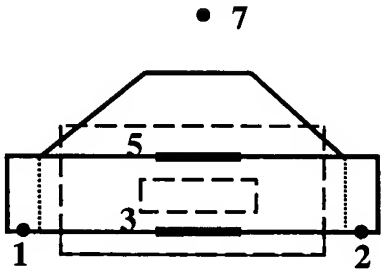
DRAWING SHEET 3 OF 3



A) FRONT VIEW



B) SIDE VIEW



C) TOP VIEW

FIG3 - Shows preferred embodiment of MCS sensors on a video monitor. Six sensors are used to sense motion in three dimensions. Sensors 1 and 2 sense horizontal motion, 3 and 4 sense vertical motion, and 5 and 6 sense motion in the depth direction normal to screen. An optional sensor 7 is possible for measuring background noise as a reference, or individual sensors 1-6 can be a differential sensor as indicated.